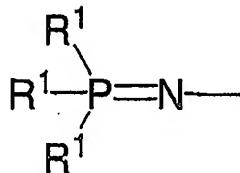


**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled).

2. (Withdrawn/Currently Amended) Process according to of claim ~~11~~ 11, wherein the catalyst used contains a phosphinimine ligand which is covalently bonded to the metal, defined by the formula:



Form. VII

wherein each  $\text{R}^1$  is independently selected from the group consisting of a hydrogen atom, a halogen atom,  $\text{C}_{1-20}$  hydrocarbyl radicals which are unsubstituted by or further substituted by a halogen atom, a  $\text{C}_{1-8}$  alkoxy radical, a  $\text{C}_{6-10}$  aryl or aryloxy radical, an amido radical, a silyl radical of the formula III and a germanyl radical of the formula IV.

3. (Withdrawn/Original) Process according to claim 2, wherein the catalyst comprises as phosphinimine ligand tri-(tertiary butyl) phosphinimine.

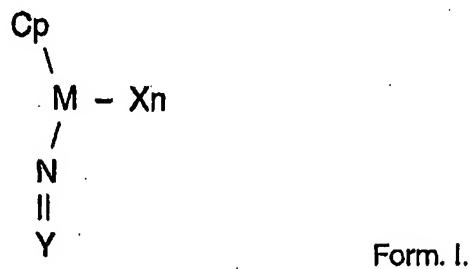
4. (Currently Amended) Process according to claim ~~11~~ 11, wherein the alumoxane used is of the formula:  $(\text{R}^4)_2\text{AlO}(\text{R}^4\text{AlO})_m\text{Al}(\text{R}^4)_2$  wherein each  $\text{R}^4$  is independently selected from the group consisting of  $\text{C}_{1-20}$  hydrocarbyl radicals and m is from 0 to 50.

5.-10. (Canceled).

11. (New) Process for the preparation of a polymer comprising monomeric units of ethylene, an  $\alpha$ -olefin and a vinyl norbornene applying as a catalyst system:

a. a bridged or an unbridged group 4 metal containing an unbridged catalyst having a single cyclopentadienyl ligand and a mono substituted nitrogen ligand, wherein said catalyst is defined by the formula I:

- b. an aluminoxane activating compound,
- c. 0 - 0.20 mol per mol of the catalyst of a further activating compound,

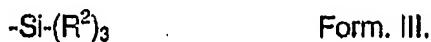


wherein Y is selected from the group consisting of:

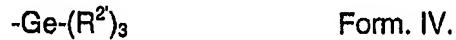
- ai) a phosphorus substituent defined by the formula:



wherein each  $\text{R}^1$  is independently selected from the group consisting of a hydrogen atom, a halogen atom  $\text{C}_{1-20}$  hydrocarbyl radicals which are unsubstituted by or further substituted by a halogen atom, a  $\text{C}_{1-8}$  alkoxy radical, a  $\text{C}_{6-10}$  aryl or aryloxy radical, an amido radical, a silyl radical of the formula:

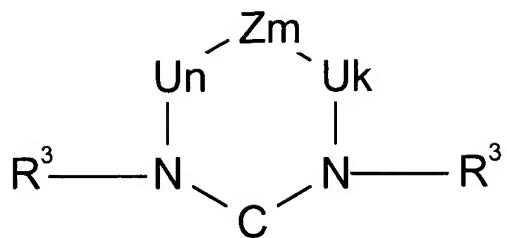


wherein each  $\text{R}^2$  is independently selected from the group consisting of hydrogen, a  $\text{C}_{1-8}$  alkyl or alkoxy radical,  $\text{C}_{6-10}$  aryl or aryloxy radicals, and a germanyl radical of the formula:



wherein  $\text{R}^2$  is independently selected from the group consisting of hydrogen, a  $\text{C}_{1-8}$  alkyl or alkoxy radical,  $\text{C}_{6-10}$  aryl or aryloxy radicals,

- aii) a substituent defined by the formula:



Form. V.

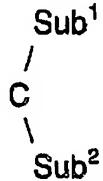
wherein each of U is  $C R^3 R^3$ ,  $C=C R^3 R^3$ ,  $C=N R^3$ ,  $SiRR$ ,  $C=O$ ,  $N R^3$ ,  $P R^3$ , O or S,

Z is - A=A, and each A is  $C R^3$ , N or P,

each  $R^3$  is independently selected from the group of hydrogen, hydrocarbyl radical, silyl radical according to form. III or germanyl radical according to form. IV,

k, m and n have independently the value 0, 1, 2 or 3, provided that  $k + m + n > 0$  and

aiii) a substituent defined by the formula:



Form. VI.

wherein each of Sub<sup>1</sup> and Sub<sup>2</sup> is independently selected from the group consisting of hydrocarbyls having from 1 to 20 carbon atoms, silyl groups, amido groups and phosphido groups;

Cp is a ligand selected from the group consisting of cyclopentadienyl, substituted cyclopentadienyl, indenyl, substituted indenyl, fluorenyl and substituted fluorenyl;

X is an activatable ligand and n is 1 or 2, depending upon the valence of M and the valence of X; and

M is a group 4 metal selected from the group consisting of titanium, hafnium and zirconium.